CLAIM AMENDMENTS

1. (currently amended) A method of operation of a climate control system for a vehicle cabin bounded in part by a windglass, where the climate control system generates control signals for controlling climate control elements to condition air in the cabin, the method of operation comprising the steps of:

computing a vapor flow indicator representative of a moisture mass flow rate between the windglass and the cabin air based on measured cabin parameters; and

~~modifying the control signals generated by said climate control system so as to increase a defogging effect of said control elements at least when said vapor flow indicator indicates a flow of moisture from the cabin air to said windglass~~

setting lower and upper threshold values of said vapor flow indicator to define a first range of said vapor flow indicator below said lower threshold value for which the control signals generated by said climate control system are not modified, a second range of said vapor flow indicator above said upper threshold value for which the control signals generated by said climate control system are modified to fully increase a defogging effect of said control elements, and a third range of said vapor flow indicator between said lower and upper threshold values for which the control signals generated by said climate control system are modified to partially increase a defogging effect of said control elements.

2. (original) The method of operation of Claim 1, wherein said vapor flow indicator is a dimensionless term based on a difference in moisture concentration between the cabin air and a surface of said windglass.

3. (original) The method of operation of Claim 2, including the steps of:

determining a surface temperature of said windglass, a cabin air temperature in the vicinity of said windglass and a relative humidity of cabin air in the vicinity of said windglass; and

computing said vapor flow indicator based on the determined windglass temperature, cabin air temperature and cabin air relative humidity.

4. (original) The method of operation of Claim 3, including the steps of:

determining saturation partial vapor pressures corresponding to the determined windglass temperature and cabin air temperature; and

computing said vapor flow indicator based on the determined saturation partial vapor pressures and the cabin air relative humidity.

5. (canceled)

6. (currently amended) The method of operation of Claim ~~5~~ 1, including the step of:

defining a variable control path function of climate control signal modification for vapor flow indicator values between said lower and upper threshold values.

7. (original) The method of operation of Claim 6, wherein said variable control path function is a power function that enables calibrator selection of linear and non-linear control paths.